



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD, 6TH FLOOR
CHICAGO, IL 60604**

MEMORANDUM

DATE: 14 April 2021

SUBJECT: Review of Quality Assurance Project Plan Addendum for Southeast Rockford Groundwater Contamination Superfund Site, Rockford, IL

FROM: Kelly Rodibaugh
Physical Scientist, Laboratory Services and Applied Sciences Division

TO: Jennifer Knoepfle
Remedial Project Manager, Superfund and Emergency Management Division

The purpose of this memo is to document our review of the subject quality assurance project plan (QAPP), dated 15 December 2020 for the Southeast Rockford Groundwater Contamination Superfund Site, Source Area 7 Groundwater Management Zone Monitoring Activities, Rockford, Winnebago County, Illinois prepared by CDM Smith, Inc. If there is no comment on a specific worksheet, it is acceptable. The Quality Assurance Project Plan (QAPP) *is conditionally approved*. Approval is pending an acceptable resubmission within 30 days to address the items below. Please send a revised QAPP to my attention.

General

- If the highlighting will be included in the final draft, define its meaning. If not, remove.
- The cover letter is dated 2019.
- Throughout the document cite the new 2020 SOW for the Contract Lab Program Statements of Work rather the retired 2016 versions (<https://www.epa.gov/clp/superfund-clp-analytical-statements-work-sows>). EPA is now scheduling under the new CLP SOW SFA01.1 (which consolidated the separate inorganic and organic SOWs).
- Also, the new CLP sampler's guide is also now active and supersedes the 2014 version. Upcoming CLP cases must follow this guidance. It is similar to the previous guide, and the volume requirements for some parameters was reduced.
https://www.epa.gov/sites/production/files/2021-03/documents/samplers_guide_clp_guidance_for_field_samplers_november_2020.pdf

QAPP Worksheet #3 & #5: Project Organization and QAPP Distribution

- Define who is responsible for maintenance and distribution of the QAPP.

QAPP Worksheet #9: Project Planning Session Summary

- How does planning in 2019 relate to this addendum submitted in December 2020?
 - Were there QAPP updates/addenda submitted between the 2019 meeting and this addendum? Was this meeting summary included in previous addenda or is this the appropriate place to document this meeting?

QAPP Worksheet #11: Project/Data Quality Objectives

- “US EPA Region 5” rather than “Region V”
- “The scope of these activities will include one influent and one effluent sample collected monthly until the LTS is declared operational or functional by Illinois EPA and quarterly thereafter during system operation.” Update this language to define monitoring within the timeline governed by this QAPP.
- “The water level data are considered screening level and will be used to evaluate changes to groundwater flow.” What does it mean to say that “water level data are considered screening level”?

QAPP Worksheet #14 & #16: Project Tasks and Schedule

- Field change notification: when and how is EPA informed of QAPP deviations. Are there deviations that would require prior approval by EPA?

QAPP Worksheet #22 Field Equipment Calibration, Maintenance, Testing, and Inspection

- YSI-600XL: How often is temp check performed against NIST-traceable thermometer?

QAPP Worksheet #25 Analytical Instrument and Equipment Maintenance, Testing, and Inspection

- Remove empty table if all the necessary information is contained in the text.

QAPP Worksheet #28: Analytical Quality Control and Corrective Action

- What corrective actions would be initiated by the data validator?

QAPP Worksheet #29: Project Documents and Records

- What documents, if any, are transmitted to US EPA?
- Include link with the language that states the validated EDDs will be uploaded to the R5 electronic data submission site: <https://www.epa.gov/superfund/region-5-superfund-electronic-data-submission> (p. 67)

Appendix B

- Which SOP addresses influent/effluent sampling?
- Field Measurement of Total Organic Vapors SOP is included; is it a project objective to conduct Total Organic Vapors monitoring?

QAPP Worksheets (p. 273)

- Remove any worksheets included here that were previously included in the addendum.

>End Comments<

Don't hesitate to contact me at (312) 886-2935 with any questions or to discuss the information above so the subject planning document can be completed.

cc: Tim Prendiville, SQAB/LSASD
Michelle Kerr, SQAB/LSASD